

**What is claimed is:**

1. A reflective optical film comprising a layer containing a polyester voided with barium sulfate particles in a size and an amount sufficient to provide a visible light reflectivity of at least 94%, the film having a thickness of less than 150  $\mu\text{m}$  or also containing UV particles being present in amounts sufficient to provide a UV light reflectivity of less than 40 %.
2. The film of claim 1 having a thickness of less than 150  $\mu\text{m}$ .
3. The film of claim 2 further comprising dispersed UV absorbing particles, the barium sulfate and UV particles being present in amounts sufficient to provide a visible light reflectivity of at least 94% and a UV light reflectivity of less than 40 %.
4. The film of claim 2 wherein said polyester is poly(ethylene-1,4-cyclohexanedimethylene terephthalate).
5. The film of claim 2 wherein the barium sulfate particles are present in an amount between 40 to 70 wt%.
6. The film of claim 3 wherein the barium sulfate particles are present in an amount between 40 to 70 wt% and the UV absorbing particles are present in an amount between 0.5 to 10.0 wt%.
7. The film of claim 6 wherein said dispersed UV absorbing particles include titanium dioxide.
8. The film of claim 2 wherein said barium sulfate particles have an average size from 0.1 to 10.0  $\mu\text{m}$ .
9. The film of claim 2 wherein said barium sulfate particles have an average size from 0.3 to 2.0  $\mu\text{m}$ .

10. The film of claim 2 wherein the film contains a second voided polyester layer adjacent to and integral with the polyester voided layer with barium sulfate particles.

11. The film of claim 10 wherein the second voided polyester layer comprises a polymer that is immiscible with polyester as voiding agent.

12. The film of claim 11 wherein the polymer that is immiscible with polyester is polypropylene.

13. The film of claim 11 wherein the polymer that is immiscible with polyester is present in the layer at 5 to 30 wt% of the second layer.

14. The film of claim 10 wherein the second voided polyester layer comprises polyethylene(terephthalate).

15. The film of claim 10 wherein a third voided polyester layer, containing barium sulfate, is adjacent to and integral with the second voided polyester layer and on the opposite side of the second layer from the first voided polyester layer with barium sulfate.

16. An LCD display comprising the film of claim 2.

17. The film of claim 1 containing dispersed UV absorbing particles, said particles being present in an amount sufficient to provide a UV light reflectivity of less than 40 %.

18. The film of claim 17 wherein said polyester is poly(ethylene-1,4-cyclohexanedimethylene terephthalate).

19. The film of claim 17 comprising polyester voided layer with barium sulfate particles present in an amount between 40 and 70 wt% and containing dispersed UV absorbing particles present in an amount between 0.5 to 10.0 wt%.

20. The film of claim 17 wherein said dispersed UV absorbing particles include titanium dioxide.

21. The film of claim 17 wherein said barium sulfate particles have an average size from 0.1 to 10.0  $\mu\text{m}$ .

22. The film of claim 17 wherein said barium sulfate particles have an average size from 0.3 to 2.0  $\mu\text{m}$ .

23. The film of claim 17 wherein a second voided polyester layer is adjacent to and integral with said polyester voided layer with barium sulfate particles.

24. The film of claim 23 wherein the second voided polyester layer comprises a polymer that is immiscible with polyester.

25. The film of claim 24 wherein said polymer that is immiscible with polyester is polypropylene.

26. The film of claim 24 wherein said polymer that is immiscible with polyester is present in the layer at 5 to 30 wt%.

27. The film of claim 23 wherein the second voided polyester layer comprises polyethylene(terephthalate).

28. The film of claim 23 wherein a third voided polyester layer with barium sulfate is adjacent to said second voided polyester layer and on the

opposite side of said second layer from the first voided polyester layer with barium sulfate.

29. An LCD display comprising the optical film of claim 17.